

Docket No.: 4600-0130PUS1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
Atsushi MARUYAMA

Application No.: 10/591,268

Confirmation No.: 9300

Filed: June 18, 2007

Art Unit: 1637

For: SUBSTANCE CAPABLE OF  
ACCELERATING NUCLEOTIDE CHAIN  
EXCHANGE REACTION

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Examiner: J. Riley

**AMENDMENT UNDER 37 C.F.R. § 1.116(a) (*Ex Parte Quayle*)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INTRODUCTORY COMMENTS**

In response to the *Ex Parte Quayle* Office Action dated May 12, 2009, please amend the above-identified U.S. patent application as follows:

**Amendments to the Specification** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 5 of this paper.